Special Issue

Multiobjective Optimisation for Aircraft Design

Message from the Guest Editor

Aircraft design can be accomplished by means of multidisciplinary design optimisation (MDO), which integrates many engineering disciplines and their mutual interactions to create a practical engineering design problem whilst a design solution is achieved by means of optimisation. Often, the optimum design problem requires more than one objective function to provide various design choices. Such a problem is traditionally termed multiobjective optimisation, or many-objective optimisation, when there are more than three objective functions, as it is significantly more difficult to solve. The aim of multiobjective design is to provide a set of Pareto optimal solutions for decision making.

Guest Editor

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